

Common Reasons for Being Unable to Submit Jobs

Category: Troubleshooting

There are several common reasons why you might not be able to successfully submit a job to PBS:

Resource Request Exceeds Resource Limits

If you get the following message after submitting a PBS job:

```
"qsub: Job exceeds queue resource limits"
```

Reduce your resource request to below the limit or use a different queue.

AUID or GID not Authorized to Use a Specific Queue

If you get the following message after submitting a PBS job:

```
"qsub: Unauthorized Request"
```

It is possible that you tried submitting to a queue which is accessible only to certain groups or users. You can check the `qstat -fQ` output and see if there is an `acl_groups` or a `acl_users` list. If your group or username is not in the lists, you will have to submit to a different queue.

If your GID has no allocation left, you will also get this error. See the section 'Not Enough or No Allocation Left' below for more information.

AUID Not Authorized to Use a Specific GID

If you get the following message after submitting a PBS job:

```
"qsub: Bad GID for job execution"
```

It is possible that your AUID has not been added to use allocations under a specific GID. Please consult with the principal investigator of that GID and ask him/her to submit a request to support@nas.nasa.gov to add your AUID under that GID.

Queue is Disabled

If you get the following message after submitting a PBS job:

```
"qsub: Queue is not enabled"
```

You should submit to a different queue which is enabled.

Not Enough or No Allocation Left

An automated script is used to check if a GID is over its allocation everyday. If it does, that GID is removed from PBS access control list and users of that GID will not be able to submit jobs.

Users can check the amount of allocations remaining using the `acct_ytd` command. In addition, if you see in your PBS output file some message regarding your GID allocation usage is near its limit or is already over, ask your PI to request for more allocation.

Once the request for more allocation is approved and added to your account, an automatic hourly script will add your GID back to the PBS access control list.

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<http://www.nas.nasa.gov/hecc/support/kb/entry/197/?ajax=1>